

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L30-940-(L25)-EM7W-DIM1-UNV-OW-OF-CS (EMER MODE ONLY)_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 20361.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 07/11/2023

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] GEN7 V18 LED 6" TALL HEATSINK 6" SQ CAST HOUSING DOWNLIGHT

[MORE] WHITE MIXING CHAMBER & 6" SEMI-SPEC ALUMINUM TRIM w/FROST

[LUMCAT] 6DS-L30-940-(L25)-EM7W-DIM1-UNV-OW-OF-CS

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	591
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2826	4087	2648
55	361	612	361
65	0	0	0
75	0	0	0
85	0	0	0

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	698.789	698.789	698.789	698.789	698.789
5	690.208	690.208	688.953	688.953	687.697
10	652.747	655.677	655.258	653.584	650.236
15	595.195	596.032	596.451	593.730	589.335
20	514.412	514.622	511.273	513.575	506.669
25	414.795	415.841	419.817	408.726	393.239
30	276.251	303.457	323.967	288.808	266.415
35	164.495	191.492	217.234	175.168	156.542
40	89.572	110.919	129.336	102.338	87.479
45	46.460	55.669	67.179	50.437	43.530
50	19.045	21.974	30.764	20.300	18.417
55	4.813	7.116	8.162	6.278	4.813
60	0.419	0.628	1.674	0.419	0.209
65	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	229.96	N.A.	38.90
0-30	416.65	N.A.	70.50
0-40	536.81	N.A.	90.90
0-60	590.65	N.A.	100.00
0-80	590.84	N.A.	100.00
0-90	590.84	N.A.	100.00
10-90	526.19	N.A.	89.10
20-40	306.85	N.A.	51.90
20-50	352.58	N.A.	59.70
40-70	54.03	N.A.	9.10
60-80	0.18	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	590.84	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.65
10-20	165.31
20-30	186.70
30-40	120.16
40-50	45.72
50-60	8.12
60-70	0.18
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

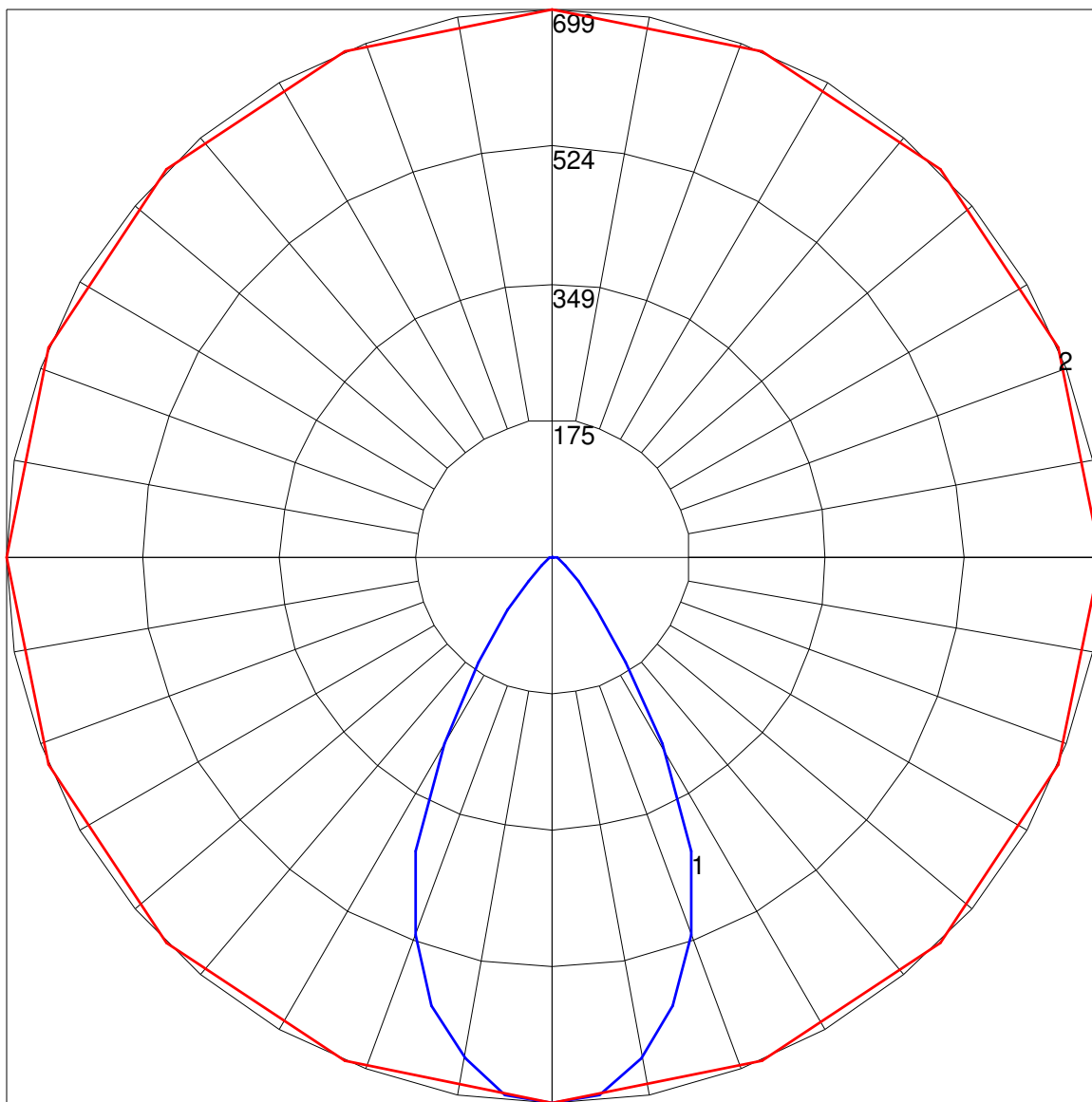
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	76	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56	64	59	55	63	58	55	54
10	72	62	56	53	71	62	56	53	61	56	52	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 698.789 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)